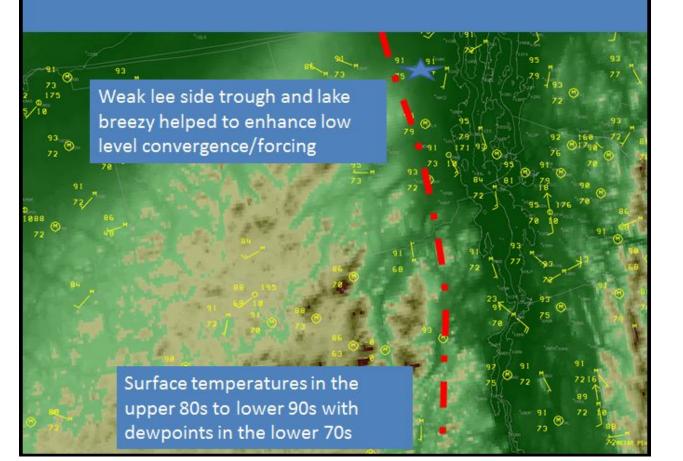
Isolated Microburst Review over Chazy NY Mesonet Site on 5 July 2018

Goal: To increase awareness of the pre storm environment and radar signatures, which produced a 63 mph observed wind gust at Chazy, New York mesonet site on 5 July 2018.

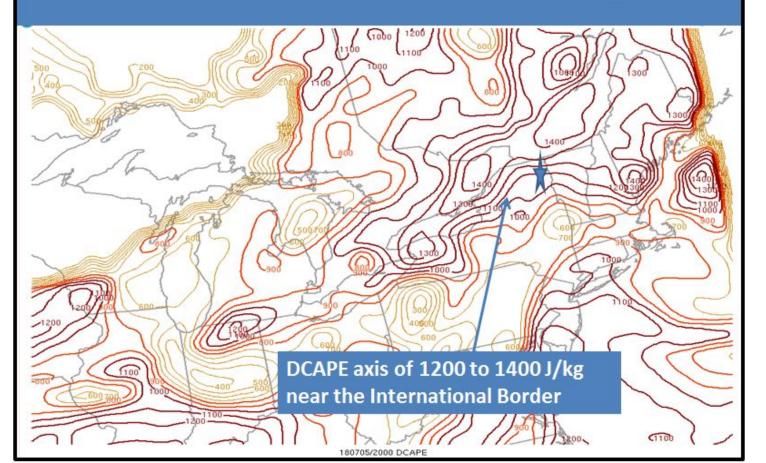
Discussion Items

- Pre Storm Environment
 - Sounding
 - Surface Map
 - DCAPE Values
- Radar Analysis
 - Cross Section
 - Storm Evolution
 - Reflectivity and Velocity Signatures
- Chazy, NY Profile Data Review

2100 UTC Surface Map on 5 July 2018

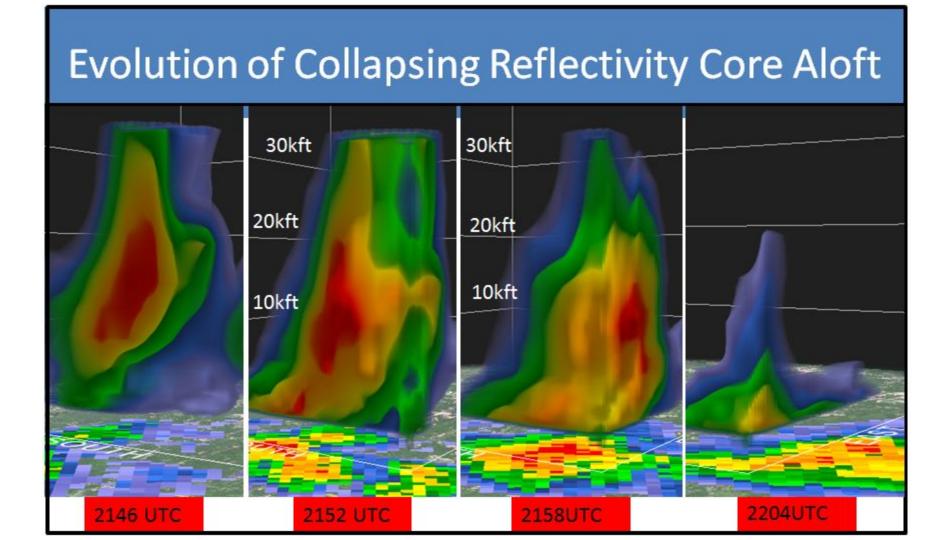


RAP13 DCAPE at 2000 UTC on 5 July 2018



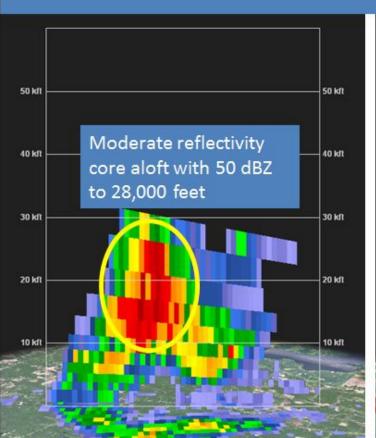
RAP13 Sounding Data at PBG at 2100 UTC on 5 July 2018

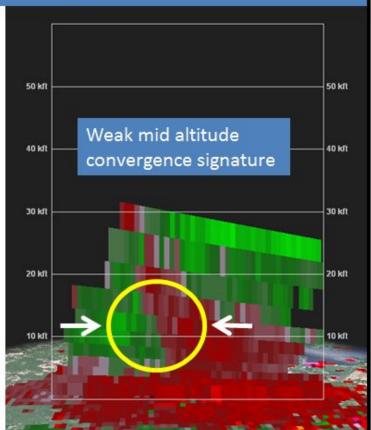




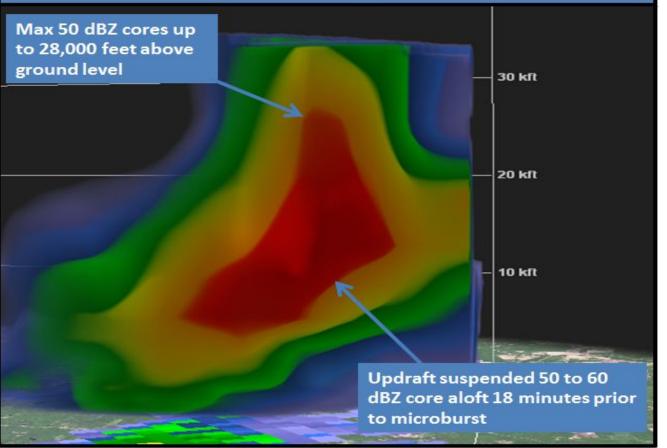


KCXX Reflectivity and Velocity Cross Section at 2146 UTC near Chazy, New York

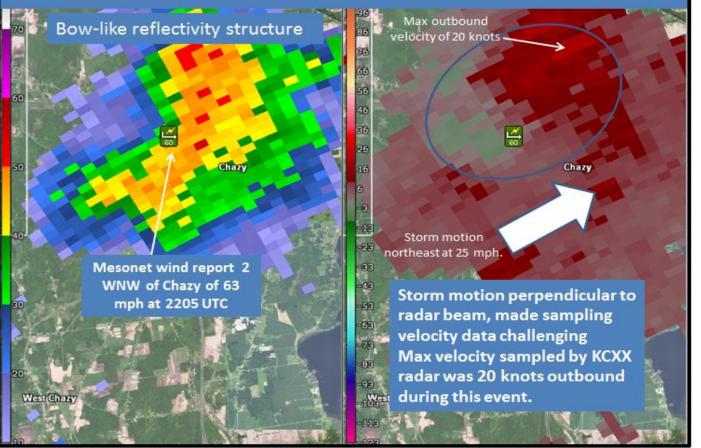




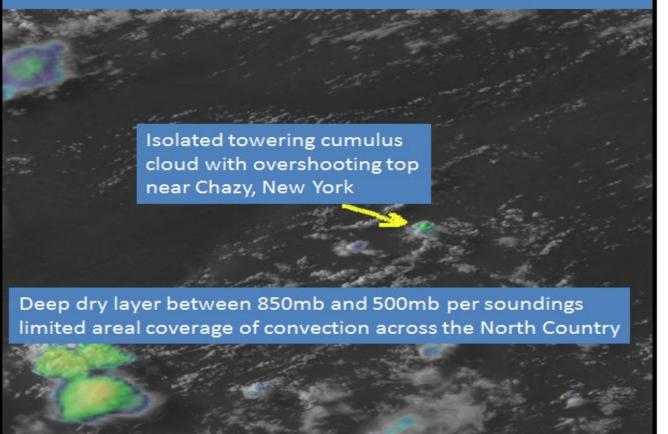
Reflectivity Cross Section at 2146 UTC near Chazy, New York



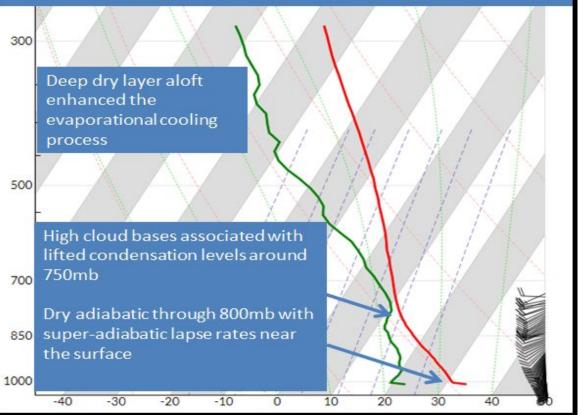
KCXX 0.5° Reflectivity and Velocity at 2206 UTC near Chazy, New York



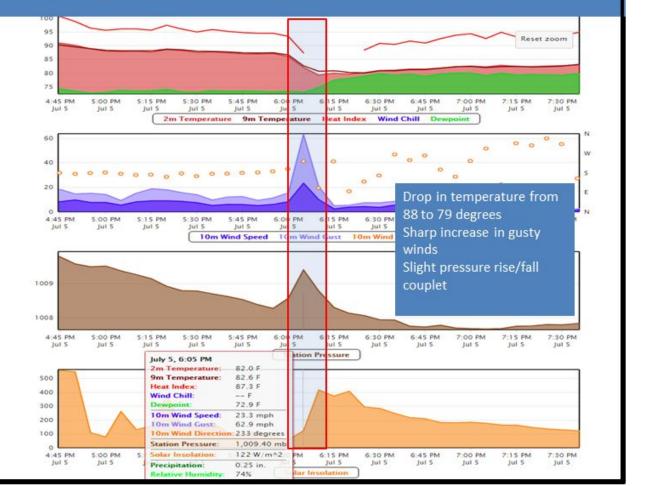
GOES 16 Visible and IR Satellite Overlay at 2202 UTC on 5 July 2018



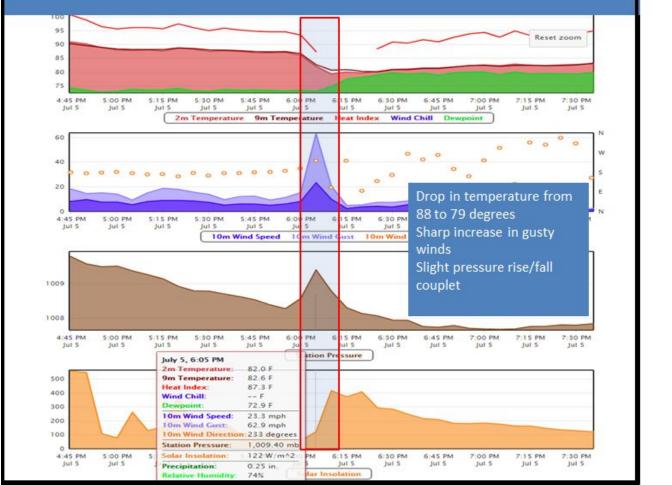
Sounding Profiler from Chazy, NY Mesonet Site at 2100 UTC



Meteogram for Chazy, New York Mesonet Site



Meteogram for Chazy, New York Mesonet Site



Local Storm Report (LSR)

NWUS51 KBTV 061936 LSRBTV

PRELIMINARY LOCAL STORM REPORT NATIONAL WEATHER SERVICE BURLINGTON VT 336 PM EDT FRI JUL 06 2018

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..TIME... ...EVENT... ...CITY LOCATION... ...LAT.LON...
..DATE... ...MAG... ..COUNTY LOCATION..ST....SOURCE....
..REMARKS..
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0605 PM TSTM WND GST 2 WNW CHAZY 44.90N 73.46W 07/05/2018 M63 MPH CLINTON NY NYSM

MEASURED AT NY STATE MESONET SITE

&&

EVENT NUMBER BTV1801405

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NASH

